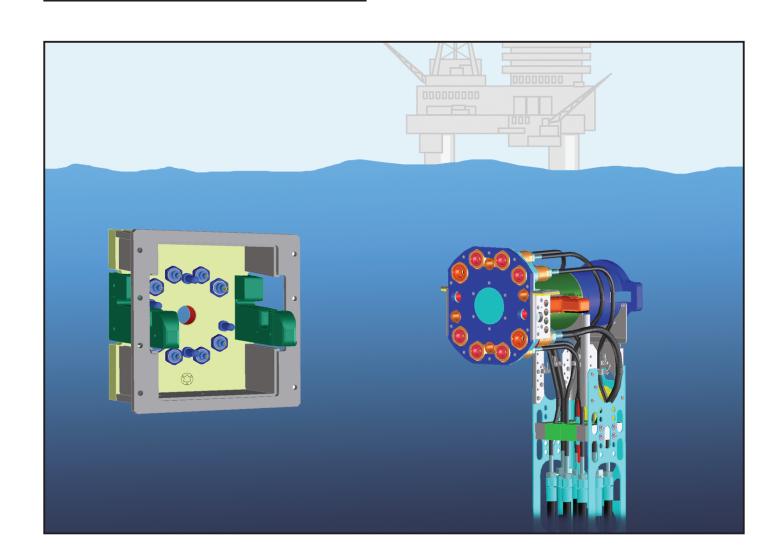


Subsea Technology HFL Systems

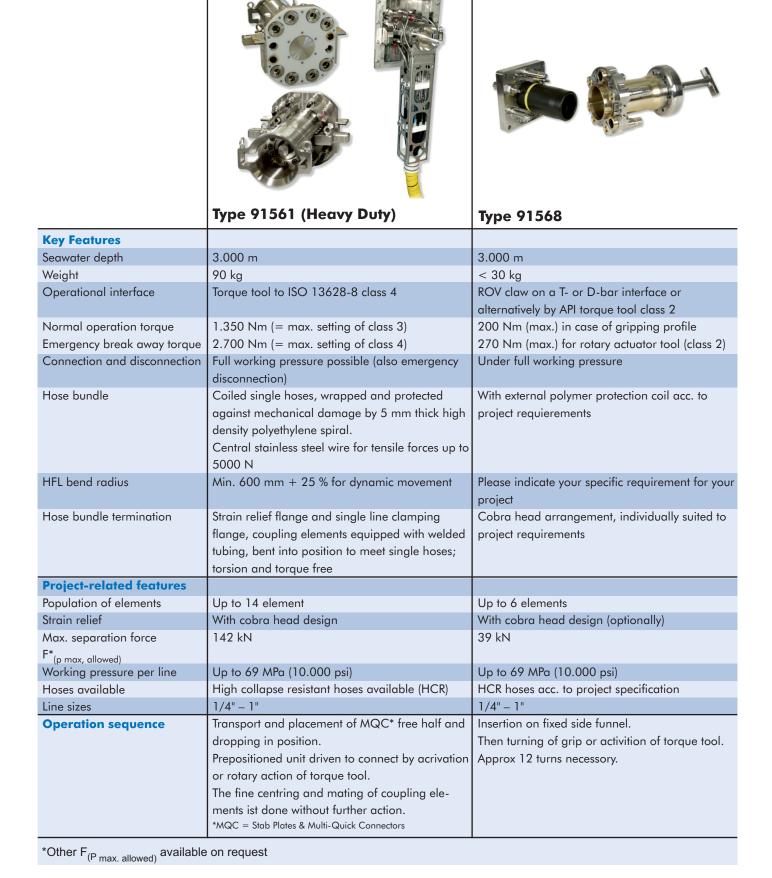


HFL Systems, Type 91561, Type 91568



The design of the HFL (Hydraulic flying leads) are based on three requirements: proven technolgy, reliability and easy handling. Compared with other existing solutions, our systems are easier and quicker to operate.

The modularity of our solution allows a multitude of layouts and populations without compromising the proven technology.



HFL Systems, Type 91561, Type 91568



Selected solutions Part number	Specification (Please indicate your specific requirement for you project!)
91561-B-00004-AAAI-Y01	HFL 8 way, jumper length 5 metres, ROV stab plates on both ends (other lengths available)
91561-B-00007-AAAJ-Y01	HFL 8 way, jumper length 15 metres, ROV stab plate on one end (other lengths available)
91561-2-FT004-AAAE-Y01	Receptacle, tube tail termination
91561-0-LT004-AAAL-Y03-AA	Simplified free half stab plate to test and flush receptacles
91561-2-FT004-AAAK-Y02-AA	Simplified fixed half stab plate to test and flush HFL
91561-0-LT005-AAAN-Y04-AA	Cross over free half (picture see on reverse)
91568-0-LT001-AAAD-Y04-AC	ROV side stab plate, 5-way for OM-006 elements, D-bar handle
91568-2-FT002-AAAE-Y04-AC	Receptacle side, 5-way for OM-006 elements, adaptor side
91568-0-LT001-AAAA-Y03-AB	ROV side stab plate, 4-way for OM-006 elements, T-bar handle
91568-2-FT002-AAAB-Y02-AB	Receptacle side, 4-way for OM-006 elements, adaptor side
91568-5-AAAC-Y02	Protection cap for receptacles
91568-9-FT002-AAAF-Y04-AC	Parking station for 5-way stab plate

Hose specifications for Type 91561, sample (Please indicate your specific requirement for your project!)

Diameter	Working pressure [MPa, (PSI)]	Burst pressure [MPa, (PSI)]	Minimum bend radius [mm]	Weight in air [kg/m]	Core material	Pressure reinforcement	Cover
1/4"	69 (10.000)	350 (50.750)	150	0,31			
3/8"	69 (10.000)	350 (50.750)	190	0,47	Methanol	High	PA 12
1/2"	69 (10.000)	325 (47.125)	200	0,94	washed	strength	black
3/4"	69 (10.000)	250 (3.625)	250	1,46	PA 11	wire	
1"	56 (8.120)	225 (3.262)	300	2,00			

Self sealing elements

Size	Suitable for line size	Working pressure WP _{max} [MPa, (PSI)]	Surface S _{element} [mm²]
OM-006	1/4 "; 3/8"	69 (10.000)	90
OM-010	1/2"	69 (10.000)	215
OM-016	3/4"; 1"	69 (10.000)	435

Geometrical restraints might apply! Please use our service for a feasibility check.

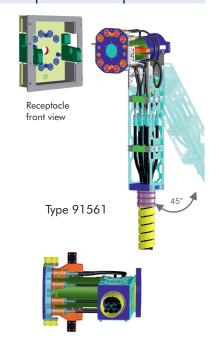
Materials	
Primary seals	PEEK
Back up and	FKM for hydraulic service
secondary seals	FFKM for chemical injection / methanol service
	(> 100 connection cycles without seal exchange)

Population - Determination

$$F_{P \text{ (specific)}}[kN] = \sum_{n=1}^{\text{specific}} \left(S_{\text{element n}}[mm^2] \cdot WP_{\text{element n}}[MPa] \right)$$

with:
$$F_{P \text{ (max. allowed)}}^* > F_{P \text{ (specific)}}$$
; $WP_{\text{element n}} < WP_{\text{max}}$

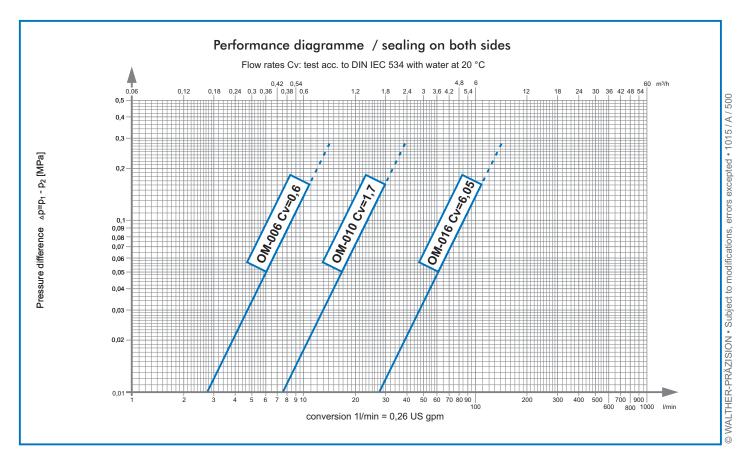
*Other $F_{(P \text{ max. allowed})}$ available on request





HFL Systems, Type 91561, Type 91568





Other product lines by WALTHER:





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